

Patent  
Serial No. 10/574,364  
Amendment in Reply to Office Action of August 19, 2008

IN THE ABSTRACT

Please delete the current Abstract in its entirety and  
substitute therefore the following New Abstract:

NEW ABSTRACT

An optical disc drive having a lens position motor for control of a lens position relative to a track on a disc and a second ("sledge") motor for control of the position of the first motor and of the lens radially relative to the disc. An alternating signal is generated and applied to the lens position motor to modulate the control of the lens position motor. In this manner, the control loop that controls the lens position motor can have higher bandwidth and therefore greater responsiveness during rough searching or at initialization. For example, where the control circuit controlling the first motor has a lowpass filter with a cut-off frequency, this cut-off frequency can be selected relative to the frequency of the alternating signal.